Т	ABSTRACT :
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3	A ball-covering needlefelt produced by needling a fibre
4	batt in a range of angles including a plurality of
5	angles which are non-perpendicular to the plane of the
6	batt. The range of angles is preferably achieved by
7	the batt being curved during needling, the batt
8	conveniently being curved in its direction of travel
9	through the needling machine. The needleboard of the
10	needling machine is preferably correspondingly curved.
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12	The needling process produces a needlefelt having a
13	high degree of fibre entanglement (comparable to woven
14	ball-covering felts) and enables achievement of
15	characteristics necessary for good wear and abrasion
16	resistance without the excessive consolidation in
17	conventional ball-covering needlefelts that leads to
18	loss of flexibility (tending to faulty ball covering)
19	and poor dynamic characteristics (making such balls
20	unsuitable for professional use).
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22	The invention is particularly applicable to the
23	manufacture of championship-quality tennis balls.
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